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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

12/21/2006

Paul J White Nrel 1617 Cole Boulevard Golden, CO 80401 EXAMINER

FICK, ANTHONY D

ART UNIT PAPER NUMBER

1753

DATE MAILED: 12/21/2006

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/534 217 | 05/06/2005 | Kannan Ramanathan | NREL 02-29 | 1000 |

TITLE OF INVENTION: ZNO/CU(INGA)SE2 SOLAR CELLS PREPARED BY VAPOR PHASE ZN DOPING

| APPLN, TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | YES | \$700 | \$300 | \$0 | \$1000 | 03/21/2007 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE
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| CURRENT CORRESPONDE | NCE ADDRESS (Note: Use Blo | ock 1 for any change of address) | Fee | (s) Transmittal. Thi ers. Each additiona | s certifi I paper, | cate cannot be used to | domestic mailings of the rany other accompanying t or formal drawing, must |
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| Paul J White Nrel 1617 Cole Bouley | vard | • | I he Stat add tran | reby certify that the es Postal Service we ressed to the Mail smitted to the USP | is Fee(s vith suff Stop I TO (57) | Transmittal is being icient postage for first SSUE FEE address a 273-2885, on the da | deposited with the United class mail in an envelope above, or being facsimile te indicated below. |
| Golden, CO 8040 | | <i>;</i> | | | (| | (Depositor's name) |
| | | | | | | | (Signature) |
| | · | | | | | | (Date) |
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| nonprovisional | YES | \$700 | \$300 | \$0 • | | . \$1000 | 03/21/2007 |
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| CFR 1.363). Change of correspond Address form PTO/SB. "Fee Address" indice PTO/SB/47; Rev 03-02 Number is required. ASSIGNEE NAME AND EASE NOTE: Under | ondence address (or Cha /122) attached. cation (or "Fee Address or more recent) attach | "Indication form led. Use of a Customer A TO BE PRINTED ON To the second secon | (1) the names of up to or agents OR, alternatic (2) the name of a sing registered attorney or 2 registered patent attorney instead, no name will be THE PATENT (print or ty data will appear on the part of the pa | vely, le firm (having as a agent) and the nam meys or agents. If printed. pe) | n members of up | er a 2er a b to e is 3 | ocument has been filed for |
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| Advance Order - # | o small entity discount p | permitted) | b. Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca The Director is hereb overpayment, to Dep | rd. Form PTO-2038 | 3 is atta | ched. | |
| 5. Change in Entity Stat | us (from status indicate SMALL ENTITY state | | b. Applicant is no lor | nger claiming SMA | LL ENT | FITY status. See 37 CF | FR 1.27(g)(2). |
| | Publication Fee (if req | uired) will not be accepte | ed from anyone other than | | | | e assignee or other party in |
| | | | | Date | | | |
| Typed or printed name | · | | | | | | |
| This collection of informa an application. Confident submitting the completed this form and/or suggestion Box 1450, Alexandria, Vi | ation is required by 37 (iality is governed by 35 application form to thous for reducing this building in a 22313-1450. | CFR 1.311. The information U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the DNOT SEND FEES OR | on is required to obtain or 1.14. This collection is es y depending upon the indi ne Chief Information Offic COMPLETED FORMS T | retain a benefit by stimated to take 12 vidual case. Any caser, U.S. Patent and O THIS ADDRES | the publ minutes omment Traden S. SENI | lic which is to file (and to complete, includin s on the amount of tin nark Office, U.S. Depa D TO: Commissioner to | by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| Nrel | | | ART UNIT | PAPER NUMBER | | |
| 1617 Cole Bouleva Golden, CO 80401 | | | 1753 DATE MAILED: 12/21/200 | 6 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.